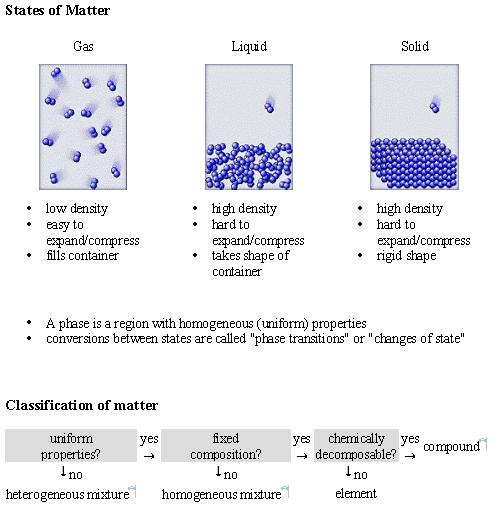
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| --- | --- | --- |
| -Gas particles have no bonds, which is why they are free to move around (diffusion)  - These gas particles can be compressed.  - These particles have lots of energy | -The bonds within liquids are much weaker than in a solid.  - As the bonds between the particles are weak, the particles move around slowly, they do this by rolling over each other. | -The bonds in a solid are very strong, which is what makes the solid strong and hard to compress.  - Because the particles in a solid are very strong, it is much harder for the particles to move around. |

Changing states of matter



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| This diagram represents how different mixtures from matter can be taken away. In this specific diagram it shows that iron, which is a type of metal, can be taken away from the matter, by simply removing it with a magnet. In this matter there is a mixture of both salt and iron, which is why I believe the iron could be removed from this matter with something as simple as a magnet.  Although, as this diagram looks like this is a solid, I believe that it would have been hard to separate/remove the iron from the solid as the bond in a solid’s particles are very strong, which would make it hard to break, or remove something from this matter. |

